

03500.017882



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
TOSHIHIRO IFUKU ET AL.) : Examiner: Unassigned
Application No.: 10/772,260) : Group Art Unit: Unassigned
Filed: February 6, 2004) :
For: FERROELECTRIC THIN FILM)
ELEMENT, PIEZOELECTRIC) :
ACTUATOR AND LIQUID) :
DISCHARGE HEAD) : March 5, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. In accordance with the OG Notice dated August 5, 2003, entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003," copies of only the listed foreign documents are enclosed.

The Examiner's attention is also directed to the following U.S. Applications:

<u>Application Number</u>	<u>Inventor(s)</u>	<u>Filing Date</u>	<u>Group Art Unit</u>	<u>Status</u>
10/769,765	Hiroshi Aoto Kenichi Takeda Tetsuro Fukui Toshihiro Ifuku	February 3, 2004	Unassigned	Pending
10/632,913	Takanori Matsuda Kenichi Takeda Toshihiro Ifuku Kiyotaka Wasa	August 4, 2003	2834	Pending

Japanese Patent Application Laid-Open Nos. 8-186182 and 8-139292 are discussed at pages 3 and 7 of the specification and may be relevant for the reasons discussed therein.

U.S. Patent No. 5,739,563 is a U.S. counterpart to Japanese Patent Application Laid-Open No. 8-139292.

Abstracts for Japanese Patent Application Laid-Open Nos. 8-186182 and 8-139292, obtained from a commercial database, are enclosed for the Examiner's convenience.

FORMAL MATTERS

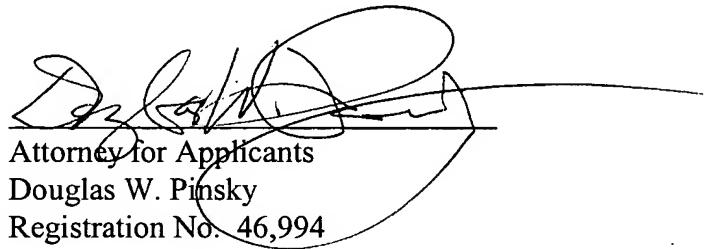
In accordance with 37 C.F.R. § 1.97(b), since this Information Disclosure Statement is being filed within three months of the filing date of the subject application, neither a statement under 37 C.F.R. § 1.97(e) nor payment of a fee is required for consideration of this Information Disclosure Statement.

CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that an initialed copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,



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FORM PTO 1449 (modified)		ATTY DOCKET NO. 03500.017882		APPLICATION NO. 10/772,260		
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT TOSHIHIRO IFUKU ET AL.				
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)		FILING DATE February 6, 2004		GROUP Unassigned		
March 5, 2004						
U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	
	5,739,563	04/1998	Kawakubo et al.			
	6,653,211 B2	11/2003	Unno et al.			
	2002/0140320 A1	10/2002	Unno et al.			
	2002/0076875 A1	06/2002	Wasa et al.			
	2003/0196745 A1	10/2003	Fukui et al.			
	2003/0197174 A1	10/2003	Matsuda			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	JP 8-139292	05/1996	Japan			Abstract*
	JP 8-186182	07/1996	Japan			Abstract
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)						
	*Note: U.S. Patent No. 5,739,563 is a counterpart to JP 8-139292.					
EXAMINER			DATE CONSIDERED			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicants.